

What is claimed is:

- 1 1. An apparatus comprising:
2 an interference detector to detect interference within wireless circuitry; and
3 a spectral shaping unit to selectively modify at least one transmission
4 characteristic associated with an interconnect of said apparatus in response to detection
5 of interference by said interference detector.

- 1 2. The apparatus of claim 1, wherein:
2 said interference detector includes an error rate unit to determine an error rate
3 associated with said wireless circuitry, said error rate being related to interference
4 within said wireless circuitry.

- 1 3. The apparatus of claim 1, wherein:
2 said interference detector includes a ranging unit to determine a communication
3 range associated with said wireless circuitry, said communication range being related to
4 interference within said wireless circuitry.

- 1 4. The apparatus of claim 1, wherein:
2 said interference detector includes a throughput measurement unit to determine
3 a throughput associated with said wireless circuitry, said throughput being related to
4 interference within said wireless circuitry.

- 1 5. The apparatus of claim 1, wherein:
2 said at least one transmission characteristic associated with said interconnect
3 includes a data rate of said interconnect.

- 1 6. The apparatus of claim 1, wherein:
2 said at least one transmission characteristic associated with said interconnect
3 includes a slew rate of said interconnect.

- 1 7. The apparatus of claim 1, wherein:
2 said interconnect includes a PCI Express interconnect.
- 1 8. The apparatus of claim 1, wherein:
2 said interconnect includes a bus.
- 1 9. The apparatus of claim 1, wherein:
2 said interconnect provides communication between said wireless circuitry and a
3 host chip set.
- 1 10. The apparatus of claim 1, wherein:
2 said wireless circuitry includes a wireless transceiver module.
- 1 11. An apparatus comprising:
2 an interconnect to provide communication between at least two components of
3 said apparatus; and
4 a data rate adjustment unit to adjust a data rate associated with said interconnect
5 based on interference within said apparatus.
- 1 12. The apparatus of claim 11, further comprising:
2 a slew rate adjustment unit to adjust a slew rate associated with said
3 interconnect based on interference within said apparatus.
- 1 13. The apparatus of claim 11, wherein:
2 said interconnect includes a PCI Express interconnect.
- 1 14. The apparatus of claim 11, wherein:
2 said interconnect includes a bus.

1 15. The apparatus of claim 11, wherein:
2 said interconnect is coupled between a wireless module and another component
3 within said apparatus.

1 16. A method comprising:
2 determining that interference mitigation should be performed for wireless
3 circuitry; and
4 adjusting at least one transmission characteristic associated with an interconnect
5 in response to said determination.

1 17. The method of claim 16, wherein:
2 determining includes determining that an error rate associated with said wireless
3 circuitry meets a predetermined criterion.

1 18. The method of claim 16, wherein:
2 determining includes determining that a wireless communication range of said
3 wireless circuitry meets a predetermined criterion.

1 19. The method of claim 16, wherein:
2 determining includes determining that a throughput associated with said
3 wireless circuitry meets a predetermined criterion.

1 20. The method of claim 16, wherein:
2 adjusting includes adjusting a data rate of said interconnect.

1 21. The method of claim 16, wherein:
2 adjusting includes initially changing a data rate of said interconnect from a first
3 rate to a second rate in response to said determination and then changing said data rate
4 from said second rate back to said first rate a predetermined time period later.

1 22. The method of claim 16, wherein:
2 said interconnect is a PCI Express interconnect; and
3 adjusting includes extracting a data rate identifier from a PCI Express training
4 sequence and using said data rate identifier to determine a new data rate for said
5 interconnect.

1 23. The method of claim 16, wherein:
2 said interconnect is a PCI Express interconnect; and
3 adjusting includes sending a handshake message requesting a new data rate
4 using a PCI Express messaging protocol.

1 24. The method of claim 16, wherein:
2 adjusting includes adjusting a slew rate of said interconnect.

1 25. The method of claim 16, wherein:
2 adjusting includes selecting at least one new transmission characteristic value
3 for use with said interconnect based on a wireless application presently being executed.

1 26. A method comprising:
2 measuring an interference-related parameter associated with a wireless
3 transceiver; and
4 adjusting at least one transmission characteristic associated with an interconnect
5 when said measured interference-related parameter meets a predetermined criterion.

1 27. The method of claim 26, further comprising:
2 repeating measuring and adjusting until said interference-related parameter does
3 not meet said predetermined criterion.

1 28. The method of claim 26, wherein:
2 measuring includes measuring an error rate associated with said wireless
3 transceiver.

1 29. The method of claim 26, wherein:
2 measuring includes measuring a communication range associated with said
3 wireless transceiver.

1 30. An article comprising a storage medium having instructions stored thereon that,
2 when executed by a computing platform, result in:
3 determining that interference mitigation should be performed for wireless
4 circuitry; and
5 adjusting at least one transmission characteristic associated with an interconnect
6 in response to said determination.

1 31. The article of claim 30, wherein:
2 adjusting includes adjusting a data rate of said interconnect.

1 32. The article of claim 30, wherein:
2 adjusting includes adjusting a slew rate of said interconnect.

1 33. An apparatus comprising:
2 an interference detector to detect interference within wireless circuitry;
3 a spectral shaping unit to modify at least one transmission characteristic
4 associated with an interconnect of said apparatus in response to detection of
5 interference by said interference detector; and
6 a dipole antenna element coupled to said wireless circuitry to facilitate
7 communication with a remote wireless entity.

1 34. The apparatus of claim 33, wherein:
2 said wireless circuitry includes a wireless transceiver module.

1 35. The apparatus of claim 33, wherein:
2 said spectral shaping unit includes a data rate adjustment unit to adjust a data
3 rate of said interconnect.

1 36. The apparatus of claim 33, wherein:
2 said spectral shaping unit includes a slew rate adjustment unit to adjust a slew
3 rate of said interconnect.